

270	ANTISMOKING PRODUCT OR DEVICE, I.E., DETERENT	43	.....Table mold
271	.No smoke to user	44	.....With hopper discharger
272	.Smoke to air ratio controlled	45	...With bunch pre-compressor
273	.Smoking simulator	46	...With end trimmer or completed article cutter
274	PRODUCT OR DEVICE HAVING IDENTIFIABLE CONSTITUENT TO FLAVOR OR ENHANCE FLAVOR	47	..Apron type
275	.Naturally occurring or synthetic duplicate	48	...With moving table
276	.Organic compound	49	....Rotating or oscillating table
277	..Heterocyclic	50	...With stationary table
278	...Containing nitrogen as hetro atom	51	....With movable roll type member
279	..Containing a sulphor atom	52	.....Swinging roll support
280	CIGAR OR CIGARETTE MAKING	53	.....Vertical axis
281	.Including perforating	54	...Aprons
282	.Including arranging, collecting, or delivering	55	..Belt type
283	..And packing	56	..Roller type
284	.With coating or printing	57	..Roller
285	.Including fingerlike member which alternately engages and releases product	57.5	..Drum and concave surfaces
286	.With cleaning away unwanted product component, e.g., gum or adhesive	58	.Wrapping devices
287	..By pneumatic means	59	..Spirally wound continuous wrapper
288	..By liquid means	60	..Longitudinally fed continuous wrapper
289	..By scraping, wiping, etc.	61.1	...With tip or mouthpiece applier or former
27.1	.Including cooperating surfaces to induce rolling	62	...With tobacco treatment
28	..Combined	63	....With completed article cutter
29	...With tip or mouthpiece applier or former	64.1	.....With tobacco rod preshaper
30	....With stationary smoother	64.2	.....With transverse or longitudinal compression
31	...With tobacco treatment	65	...With completed article cutter
32	...With subsequent wrapping or forming operations	66.1	...With tobacco rod preshaper
33	...With wrapper cutter	66.2	....With transverse or longitudinal compression
34	....Continuous wrapper	67	...With wrapper sealing
35	....With adhesive supply or applier	68	...With heating means
36	...With pre-cut wrapper feed and/ or holder or smoother	69	...With adhesive supply or applier
37	...With adhesive supply or applier	70	..Tube filling type
38	...With filler tobacco or bunch feeder	71	...With tip or mouthpiece applier or former
39	....With plural feed	72	....Plug inserting
40	....With bunch separator	73	...With tube making
41	.....With bunch pre-compressor	74	...With hopper feed of tubes
42	.....Ribbon feed	75	...Mold with encircling wrapper tube
		76	..With tip or mouthpiece applier or former
		77	.Molding or forming
		78	..Combined
		79	...With tobacco treatment
		80	...With plural molding or forming
		81.1	...With tobacco or bunch feed

82	...With bunch remover and/or transfer	296	..By contact with hot gaseous medium
83.1	...With trimmer, perforator or splitter	297	.Extraction of component, other than moisture, by contact with diverse medium
84.1	..Continuous rod or ribbon former		
84.2	...With transverse compression	298	..By organic solvent
84.3	...With pneumatic assist for tobacco movement	299	.With electrical or radiant energy
84.4	...With trimmer for rod or ribbon	300	.With fluid or fluent material
85	..Molds	301	..Including means to create a vacuum
86	...Plural		
87	....Rotary or endless carrier	302	..Including means to circulate fluid
88	.Tip or mouthpiece applying or forming	303	...And temperature or humidity control of fluid
89	..End tucker, folder, crimper, smoother	304	...Including means to convey tobacco
90	...With adhesive supply or applier	305	..Within rotary drum-type apparatus
91	...With cutter or trimmer		
92	...With heater and/or end punch	306	..Including means to convey tobacco
93	...Rotating type		
94	..Plug attaching or inserting	307	...Including expressing rolls
95	..Sheet material tip	308	..Containing enzymes to cause fermentation
96	.Recovery of tobacco from cigarettes and cigars	309	..Other than water, steam, or air
105	.Wrappers holders and carriers	310	...Organic
106	.Cigar tagging or labeling	311	.Including leaf disintegration
107	.Bundling	312	..And separation of fibers of different character
108	.Tobacco feeding		
109.1	..With brushing, carding, or picking means	313	.Leaf stemming
109.2	...With separator for tobacco dust, stems or foreign material	314	..With stem cleaning
109.3	...With vibrating tamper or rake	315	..And straightening, smoothing, flattening, or cleaning
110	..With separator or suction device	316	...Booking
111	PLUG OR COMPRESSED SHAPE MAKING	317	....Stemmed by rotary or endless cutter
112	.Packing or bundling	318	..By fluid current
113	.Tagging or labeling	319	..By tearing
114	...With tag or label making	320	...Including transverse stem cutting
115	.Turret type	321	...Card clothing type
116	.Continuous sheet type	322	..By cutting
117	..With cutting	323	...Stem die type
118	.With cutting	324	.Leaf straightening, brushing, smoothing, rolling, corrugating, or flattening with or without stem crushing
119	.Molds		
290	TOBACCO TREATMENT		
291	.Puffing	325	..And cleaning
292	..Including freeze drying	326	..Booking
293	..By chemical reaction	327	.Leaf associating or disassociating
294	..By radiant energy		
295	..By high frequency field	328	MAKING OR USING TOBACCO USERS' APPLIANCE

329	TOBACCO USERS' APPLIANCE	211	....Chamber enclosed tubes or nipples
330	..Device used for smoking	212.1	.....Smoke direction changing
173	..Smoke washing type	212.2	.....Concentric ducts
174	..Wind or ash guarding or ash receiving	213	....Plural reversely extending passages
175	...Cigar or cigarette holders	214	....Bowl detachable from neck cup
176	...Pipe covers	215.1	....With valve in smoke path or removable, external passage closure
177	....With tamper or tamper type	215.2	.....With filter
178	..Combined or convertible	215.3	.....Valve
179	...Plural smoking devices	216	..Special smoke passages
180	...With storage means, feeder, and/or plural bowl	217	...Spiral passage
181	....Follower	218	...Plural reversely extending
182	...With ejector	219	..Lined or coated
183	....Tobacco support type	220	...Bowl
184.1	...With cleaner, stirrer, or tamper	221	..Reversible bowl
184.2	....Pipe bowl type	222	..Bowl detachable from neck cup
184.3	....With cleaner extending or operable through external passage	223	..With valve or external passage closure
185	...With igniter and/or match scratcher	224	..Tobacco supports
186	...With support	225	..Joints and connections
187	..Cigar and cigarette holders	226	..Bowls
188	...With piercing device	227	..Stems, bits or tips
189	....Smoke conducting	228	...With sleeve or cap
190	...With movable gripper or holder	229	...Outlet end shapes and orifices
191	..Tubes	230	..Materials and compositions
192	..Foldable or collapsible	231	..With ash receiver
193	..Base burner type	232	..Smoking device cleaner
194	..Heat exchanging and/or insulating	233	..Tip cutter, perforator or slitter
195	...Cooling air passages	234	..Igniter or scratching surface
196	...Spaced inner bowl	235.1	..Extinguisher
197	....Plural reversely extending passages	236	...Liquid type
198.1	..Supplemental or substitute air inlet	237	...Movable extinguishing member
198.2	...Adjustable air inlet type	237.5	...Split tube type
199	..Longitudinally divided	238	..And devices for other use
200	..Smoke treating	239	...Match holder
201	...Material separator and trap	240.1	..Cigar, cigarette, or smoking device rest or holder
202	....Filter and/or absorber	241	...With special receiver support
203	.....Absorber only (no filtering)	242	...With closure or covered compartment
204	.....Lined or coated bowls or stems	242.5	...With cigar or cigarette ejector, dumper, or advancer
205	.....Tobacco supports	242.6	...With grid or grille
206	.....With valve or external passage closure	243	..Smoking device cleaners
207	.....Absorbent or particulate	244	..Combined or compound
209Spiral passage	245	..Fluid type
210Serial checks or baffles	246	..Stem
		247	..Bowl
			..Pipe tampers

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|-------|---|-----|---|
| 248 | .Cigar and cigarette end cutters, combined | 352 | .Compositions, e.g., smoking or chewing mixture or medium |
| 249 | ..With igniter or scratching surface | 353 | ..Reconstituted tobacco |
| 250 | ..With receptacle or holder | 354 | ...Material coated with tobacco dust or particle |
| 250.1 | ...Dispensing type | 355 | ...Tobacco particles bonded by nontobacco adhesive |
| 251 | ...Match receptacle | 356 | ...Having tobacco extracts or tobacco paste |
| 252 | ..With perforator or slit | 357 | ...Tobacco sheet formed from wet ground or wet beaten tobacco |
| 253 | .Cigar tip perforators or slitters | 358 | ...Wrapper |
| 254 | ..Pin or drill | 359 | ..Tobacco substitute, i.e., nontobacco |
| 255 | ..Punch | 360 | .Cigar or cigarette |
| 256 | .Cigar or cigarette extinguishers | 361 | ..End structure |
| 257 | .Supports | 362 | ...Coated or impregnated |
| 258 | ..Finger ring type | 363 | ...Filler penetrating |
| 259 | ..Staff type | 364 | ..Blank or filler |
| 260 | .Smoking device | 365 | ..Wrapper or binder |
| 331 | SMOKE SEPARATOR OR TREATER | 366 | .Plug tobacco |
| 332 | .Having a polymer | 367 | ..Having specific shape |
| 333 | .By electric, magnetic, or radioactive action | 368 | ..With identification, marking, label, or tag |
| 334 | .By chemical reaction, e.g., ion-exchange, chelating, catalytic, etc. | 369 | METHOD OR APPARATUS FOR MAKING TOBACCO SUBSTITUTE |
| 335 | .By adding constituent to smoke stream | 370 | METHOD OR APPARATUS FOR MAKING RECONSTITUTED TOBACCO |
| 336 | ..Air | 371 | .Dust impingement |
| 337 | ..Having destructible, fusible, soluble, or deformable container for treatment material | 372 | .Slurry |
| 338 | .Having means to vary smoke flow rate | 373 | .Impregnation of web |
| 339 | .Interior surface causes particular flow characteristic | 374 | .Paper process |
| 340 | ..By use of specific filter mass | 375 | .Extrusion |
| 341 | .Plural diverse elements | | |
| 342 | ..Including particulate material | | |
| 343 | ..Plasticizer or adhesive coating | | |
| 344 | ..Occupying plural, separate, distinct zones | | |
| 345 | .Including a cellulose ester or ether | | |
| 346 | .With indicator or inspection means | | |
| 347 | TOBACCO OR TOBACCO SUBSTITUTE PRODUCT OR COMPONENT PART THEREOF | | |
| 348 | .Pipe cartridges | | |
| 349 | .With ash retainer or means to prevent or retard burning | | |
| 350 | .With means to pierce or protect cigar end structure | | |
| 351 | .With means to facilitate ignition | | |

CROSS-REFERENCE ART COLLECTIONS

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| 900 | LIQUIFIED GAS EMPLOYED IN PUFFING TOBACCO |
| 901 | ORGANIC LIQUID EMPLOYED IN PUFFING TOBACCO |
| 902 | INORGANIC CHEMICAL AGENTS EMPLOYED IN PUFFING TOBACCO |
| 903 | FIXING THE PRODUCT AFTER PUFFING |
| 904 | PNEUMATIC MEANS FOR SENSING CONDITION OR CHARACTERISTIC |
| 905 | RADIATION SOURCE FOR SENSING CONDITION OR CHARACTERISTIC |
| 906 | SENSING CONDITION OR CHARACTERISTIC OF CONTINUOUS TOBACCO ROD |

- 907 EJECTION OR REJECTION OF FINISHED
ARTICLE DUE TO DETECTED OR
SENSED CONDITION
- 908 SENSING UNIQUE CHARACTERISTIC OR
SPECIFIC CONDITION OF FINISHED
PRODUCT
- 909 SENSING CONDITION IN FEED HOPPER
FOR CIGAR OR CIGARETTE MAKING
- 910 SENSING OR DETECTING MALFUNCTION
IN CIGAR OR CIGARETTE MAKER

FOREIGN ART COLLECTIONS

FOR CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1 PIPE LITERATURE

